

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001322

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F28F 9/16, B23K 1/00, B21D 53/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F28F, B23K, B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 820153 A (LAWRENCE HOLDINGS (OVERSEAS) LIMITED), 16 Sept 1959 (16.09.1959), whole document --	1-30
Y	US 4223826 A (USUI), 23 Sept 1980 (23.09.1980), abstract --	1-30
A	GB 2322323 A (FORD GLOBAL TECHNOLOGIES, INC.), 26 June 1998 (26.06.1998), abstract, figure --	1-30
A	WO 03058142 A1 (ALFA LAVAL CORPORATE AB), 17 July 2003 (17.07.2003), page 1, line 31 - line 33 --	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Date of the actual completion of the international search

9 December 2004

Date of mailing of the international search report

20-01-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

Anette Riedel / JA A
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001322

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 19805439 A1 (BEHR GMBH & CO.), 12 August 1999 (12.08.1999) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/10/2004

International application No.
PCT/SE 2004/001322

GB	820153	A	16/09/1959	NONE		
US	4223826	A	23/09/1980	NONE		
GB	2322323	A	26/06/1998	FR	2759931 A	28/08/1998
				GB	9727496 D	00/00/0000
				US	6129262 A	10/10/2000
WO	03058142	A1	17/07/2003	EP	1456593 A	15/09/2004
				SE	520673 C	12/08/2003
				SE	0104254 A	18/06/2003
DE	19805439	A1	12/08/1999	NONE		